

## WHAT IS CLAIMED IS:

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1. A magneto optic recording medium in which at least a recording layer for recording data and a reproducing layer for reproducing the data recorded in said recording layer are formed on a substrate and the recorded data is reproduced by setting a proper reproducing laser power upon reproduction, wherein magnetizing directions of a buffer area, a sector address area, and a gap area which are sandwiched between data areas where the data is recorded are uniformly magnetized in a recording direction.
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2. A medium according to claim 1, wherein a mark in said recording layer is reflected from an aperture sandwiched between a front mask formed ahead of a reproducing beam in said reproducing layer and a rear mask formed behind the reproducing beam, and the data is reproduced by an MSR (Magnetically Induced Super Resolution).
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3. A medium according to claim 1, wherein a signal is recorded and reproduced onto/from one or both of lands and grooves formed alternately on the medium.
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4. A magneto optic recording medium in which at least a recording layer for recording data and a reproducing layer for reproducing the data recorded in said recording layer are formed on a substrate and the recorded data is reproduced by setting a proper reproducing laser power upon reproduction, wherein
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- a front portion of a data area in which the data is recorded is uniformly magnetized in a recording direction.

5. A medium according to claim 4, wherein a mark in said recording layer is reflected from an aperture sandwiched between a front mask formed ahead of a reproducing beam in said reproducing layer and a rear mask formed behind the reproducing beam, and the data is reproduced by an MSR (Magnetically Induced Super Resolution).

6. A medium according to claim 4, wherein a signal is recorded and reproduced onto/from one or both of lands and grooves formed alternately on the medium.

7. A storing apparatus, wherein  
at least a recording layer for recording data and a reproducing layer for reproducing the data recorded in said recording layer are formed on a substrate of a magnetooptic recording medium, and

said storing apparatus comprises:

a reproducing unit which reproduces the recorded data by setting a proper reproducing laser power upon reproduction; and

a recovery processing unit which, when a predetermined recovery condition such as read error, temperature fluctuation, or the like occurs, uniformly magnetizes magnetizing directions of a buffer area, a sector address area, and a gap area which are sandwiched between data areas in which the data is recorded in a recording direction and, thereafter, retries the reproduction.

8. An apparatus according to claim 7, wherein said reproducing

unit reflects a mark in said recording layer from an aperture sandwiched between a front mask formed ahead of a reproducing beam in said reproducing layer and a rear mask formed behind the reproducing beam and reproduces the data by an MSR (Magnetically Induced Super Resolution).

9. An apparatus according to claim 7, wherein said reproducing unit reproduces a signal recorded on one or both of lands and grooves formed alternately on said magneto optic recording medium.

10. A storing apparatus, wherein  
at least a recording layer for recording data and a  
reproducing layer for reproducing the data recorded in said recording  
layer are formed on a substrate of a magneto optic recording medium,  
and

said storing apparatus comprises:

a reproducing unit which reproduces the recorded data by  
setting a proper reproducing laser power upon reproduction; and

a recovery processing unit which, when a predetermined  
recovery condition such as read error, temperature fluctuation, or the like  
occurs, uniformly magnetizes a front portion of a data area in which the  
data is recorded in a recording direction and, thereafter, retries the  
reproduction.

11. An apparatus according to claim 10, wherein said  
reproducing unit reflects a mark in said recording layer from an aperture  
sandwiched between a front mask formed ahead of a reproducing beam

in said reproducing layer and a rear mask formed behind the reproducing beam and reproduces the data by an MSR (Magnetically Induced Super Resolution).

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12. An apparatus according to claim 10, wherein said reproducing unit reproduces a signal recorded on one or both of lands and grooves formed alternately on said magneto optic recording medium.

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13. A magneto optic recording medium, wherein a portion of an emboss area or a space area before or after a data area in which data is magneto optically recorded is uniformly magnetized in a recording direction.

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14. A storing apparatus comprising a format write processing unit which uniformly magnetizes a portion before or after a data area on a magneto optic recording medium in which data is recorded in a recording direction.

